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(54) WATER ABSORBENT COMPOSITION AND ITS USAGE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a water absorbent composition which a buffer effect of an over-dipping liquid is exhibited at a part containing the water absorbent composition at high concentration in absorbing articles composed by containing the water absorbent composition and a hydrophilic fiber and the provide usages thereof.

SOLUTION: This water absorbent composition is composed of a water absorbent resin of which the vicinity of the surface of a cross-linked polymer is further cross-linked and a buffer agent of the over-dipping liquid and has ≥ 0.4 buffer index of a dipping liquid and ≥ 25 g/g absorption scale factor in the absorber at pressurization. Moreover, the mean particle diameter thereof is 200-600 μ m and the content of the particle thereof having $< 106 \mu$ m particle diameter is ≤ 5 wt.%. The water absorbent composition is used for, e.g. the absorbing articles composed by containing the water absorbent composition and the hydrophilic fiber.

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(54)【発明の名称】 吸水剤組成物およびその用途

(57)【要約】

【課題】吸水剤組成物と親水性繊維を含んでなる吸収物品中において、該吸水剤組成物を高濃度に含んでなる部分が過通液緩衝効果を発現する吸水剤組成物およびその用途を提供する。

【解決手段】架橋重合体の表面近傍がさらに架橋された吸水性樹脂と過通液緩衝剤からなる吸水剤組成物であって、該吸水剤組成物の通液緩衝指数が0.4以上、加圧下吸収体内吸収倍率が25g/g以上であり、かつ、その平均粒径が200μm~600μm、粒径106μm未満の粒子の割合が5重量%以下であることを特徴とする吸水剤組成物。この吸水剤組成物を、例えば吸水剤組成物と親水性繊維を含んでなる吸収物品に用いる。